

Type I hybrid PFD which is also labeled for use on recreational boats must meet the requirements of paragraph (c) of this section.

(3) Each commercial hybrid PFD approved with special purpose limitation must have a user's manual that—

(i) Explains in detail the proper care, maintenance, stowage, and use of the PFD; and

(ii) Includes any other safety information as prescribed by the approval certificate.

(4) If the manual required in paragraph (e)(3) of this section calls for inspection or service by vessel personnel, the manual must—

(i) Specify personnel training or qualifications needed;

(ii) Explain how to identify the PFDs that need to be inspected; and

(iii) Provide a log in which inspections and servicing may be recorded.

(5) If a PFD light approved under subpart 161.012 is not provided at time of sale, the manual must specify the recommended type of light to be used.

(6) Notwithstanding the requirements of paragraph (b) of this section, manufacturers that make shipments to purchasers that do not redistribute the PFDs, must provide at least one manual in each carton of PFDs shipped.

[CGD 78-174, 50 FR 33928, Aug. 22, 1985, as amended by CGD 78-174, 60 FR 2490, Jan. 9, 1995]

§ 160.077-30 Spare operating components and temporary marking.

(a) *Spare operating components.* Each recreational and commercial hybrid PFD must—

(1) If it has a manual or automatic inflation mechanism and is packaged and sold with one inflation medium cartridge loaded into the inflation mechanism, have at least two additional spare inflation cartridges packaged with it. If it is sold without an inflation medium cartridge loaded into the inflation mechanism, it must be packaged and sold with at least three cartridges; and

(2) If it has an automatic inflation mechanism and is packaged and sold with one water sensitive element loaded into the inflation mechanism, have at least two additional spare water sensitive elements packaged with it. If it

is sold without a water sensitive element loaded into the inflation mechanism, it must be packaged and sold with at least three water sensitive elements.

(b) *Temporary marking.* Each recreational and commercial hybrid PFD which is sold—

(1) In a ready-to-use condition but which has covers or restraints to inhibit tampering with the inflation mechanism prior to sale, must have any such covers or restraints conspicuously marked “REMOVE IMMEDIATELY AFTER PURCHASE.”; or

(2) Without an inflation medium cartridge, a water sensitive element, or both pre-loaded into the inflation mechanism, must include the markings required in § 160.077-15(c)(3)(ii).

[CGD 78-174, 60 FR 2491, Jan. 9, 1995]

§ 160.077-31 PFD Marking.

(a) *General.* Each hybrid PFD must be marked with the applicable information required by this section. Each marking must be waterproof, clear, permanent, and readable from a distance of three feet.

(b) *Prominence.* Each marking, other than the text in paragraphs (c) and (d) of this section, must be significantly less prominent and in smaller print than paragraph (c) and (d) text.

(c) *Recreational Hybrid PFD.* Each recreational hybrid PFD must be marked with the following text using capital letters where shown and be presented in the exact order shown:

TYPE [II, III, or V, as applicable] PFD

[See paragraph (k) of this section for exact text to be used here]

Recreational hybrid inflatable—Approved for use only on recreational boats. [For Type V only] REQUIRED TO BE WORN to meet Coast Guard carriage requirements (except for persons in enclosed spaces as explained in owner's manual).

[For Type V only] When inflated this PFD provides performance equivalent to a [see paragraph (h) of this section for exact text to be used here].

A Pamphlet and Owner's Manual must be provided with this PFD.

WARNING—TO REDUCE THE RISK OF
DEATH BY DROWNING

—YOU MAY HAVE TO INFLATE THIS PFD
TO FLOAT.

- TRY THIS PFD IN THE WATER EACH SEASON TO SEE IF IT WILL FLOAT YOU WITHOUT INFLATION.
- CHOOSE THE RIGHT SIZE PFD AND WEAR IT—FASTEN ALL CLOSURES AND ADJUST FOR SNUG FIT.
- THIS PFD REQUIRES MAINTENANCE. FOLLOW MANUFACTURER'S USE AND CARE INSTRUCTIONS.
- REMOVE HEAVY OBJECTS FROM POCKETS IN AN EMERGENCY.
- [Unless impact tested at high speed as noted on the approval certificate] DO NOT USE IN HIGH-SPEED ACTIVITIES.
- DO NOT DRINK ALCOHOL WHILE BOATING.

(d) *Type I and Commercial Hybrid PFD.* Each Type I hybrid PFD intended for recreational use and each commercial hybrid PFD must be marked with the following text using capital letters where shown and be presented in the exact order shown:

TYPE ["I", "V", or "V Work Vest Only", as applicable] PFD

[See paragraph (k) of this section for exact text to be used here]

Commercial hybrid inflatable—Approved for use on [see paragraph (j) of this section for exact text to be used here].

[For Type V only] When inflated this PFD provides performance equivalent to a [see paragraph (h) of this section for exact text to be used here].

[For Type I devices intended for recreational use] A Pamphlet and Owner's Manual must be provided with this PFD.

WARNING—TO REDUCE THE RISK OF DEATH BY DROWNING

- YOU MAY HAVE TO INFLATE THIS PFD TO FLOAT.
- TRY THIS PFD IN THE WATER EACH SEASON TO SEE IF IT WILL FLOAT YOU WITHOUT INFLATION.
- [For Type I devices intended for recreational use] CHOOSE THE RIGHT SIZE PFD AND WEAR IT.
- FASTEN ALL CLOSURES AND ADJUST FOR SNUG FIT.
- THIS PFD MUST BE MAINTAINED, STOWED, AND USED ONLY IN ACCORDANCE WITH THE OWNER'S MANUAL.
- REMOVE HEAVY OBJECTS FROM POCKETS IN AN EMERGENCY.
- [Unless impact tested at high speed as noted on the approval certificate For Type I devices intended for recreational use] DO NOT USE IN HIGH-SPEED ACTIVITIES.
- [For Type I devices intended for recreational use] DO NOT DRINK ALCOHOL WHILE BOATING.

(e) *All PFD's.* Each hybrid PFD must also be marked with the following information below the text required by paragraph (c) or (d) of this section:

- (1) U.S. Coast Guard Approval Number (insert assigned approval number).
- (2) Manufacturer's or private labeler's name and address.
- (3) Lot Number.
- (4) Date, or year and calendar quarter, of manufacture.
- (5) Necessary vital care or use instructions, if any, such as the following:

- (i) Warning against dry cleaning.
- (ii) Size and type of inflation medium cartridges required.
- (iii) Specific donning instructions.
- (f) *Identification of User.* Each hybrid PFD must have adequate space within which to mark the name or other identification of the intended user.

(g) *Flotation material buoyancy loss.* When kapok flotation material is used, the statement “—REPLACE PFD IF PADS BECOME STIFF OR WATER-LOGGED.” must follow the warning “—TRY THIS PFD IN THE WATER EACH SEASON TO SEE IF IT WILL FLOAT YOU WITHOUT INFLATION.” required by paragraph (c) or (d) of this section.

(h) *Type equivalence.* The exact text to be inserted for Type V hybrid PFDs will be one of the following type equivalents as noted on the Approval Certificate.

- (i) [Reserved]
- (j) *Approved use.* Unless the Commandant has authorized omitting the display of approved use, the exact text to be inserted will be one or more of the following statements as noted on the approval certificate:
 - (1) “all recreational boats and on uninspected commercial vessels”
 - (2) “all recreational boats and on uninspected commercial vessels. REQUIRED TO BE WORN to meet Coast Guard carriage requirements (except for persons in enclosed spaces as explained in owner's manual)”
 - (3) “inspected commercial vessels as a WORK VEST only.”
 - (4) “[Insert exact text of special purpose or limitation and vessel(s) or vessel type(s), noted on approval certificate].”
- (k) *Size Ranges.* The exact text to be inserted will be one of the following

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statements as noted on the approval certificate:

(1) ADULT—For persons weighing more than 40 kg (90 lb).

(2) YOUTH—For persons weighing 23–40 kg (50–90 lb).

(3) CHILD SMALL—For persons weighing 14–23 kg (30–50 lb).

(4) “[*Other text noted on approval certificate*].”

[CGD 78-174, 50 FR 33928, Aug. 22, 1985, as amended by CGD 78-174A, 51 FR 4351, Feb. 4, 1986; CGD 78-174, 60 FR 2491, Jan. 9, 1995; 60 FR 7131, Feb. 7, 1995]

Subpart 160.151—Inflatable Liferrafts (SOLAS)

SOURCE: CGD 85-205, 62 FR 25547, May 9, 1997, unless otherwise noted.

§ 160.151-1 Scope.

This subpart prescribes standards, tests, and procedures for approval by the Coast Guard of SOLAS A and SOLAS B inflatable liferafts, and for their periodic inspection and repair at approved facilities (“servicing”). Certain provisions of this subpart also apply to inflatable buoyant apparatus as specified in § 160.010-3 and to inflatable liferafts for domestic service as specified in subpart 160.051.

§ 160.151-3 Definitions.

In this subpart, the term:

Commandant means the Commandant (G-MSE), United States Coast Guard, 2100 Second Street, SW., Washington, DC 20593-0001.

Servicing means periodic inspection, necessary repair, and repacking by a servicing facility approved by the Coast Guard. Requirements for periodic inspection and repair of inflatable liferafts approved by the Coast Guard are described in §§ 160.151-35 through 160.151-57.

SOLAS means the International Convention for the Safety of Life at Sea, 1974, as amended by the International Maritime Organization through the 1988 (GMDSS) amendments, dated 9 November 1988.

SOLAS A Liferaft means a liferaft that meets the requirements of this subpart for an inflatable liferaft com-

plying with SOLAS and equipped with a SOLAS A equipment pack.

SOLAS B Liferaft means a liferaft that meets the requirements of this subpart for an inflatable liferaft complying with SOLAS and equipped with a SOLAS B equipment pack.

§ 160.151-5 Incorporation by reference.

(a) Certain material is incorporated by reference into this subpart with the approval of the Director of the Federal Register in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. To enforce any edition other than that specified in paragraph (b) of this section, the Coast Guard must publish notice of change in the FEDERAL REGISTER and make the material available to the public. All approved material is on file at the National Archives and Records Administration (NARA), and at the U.S. Coast Guard, Office of Design and Engineering Standards (G-MSE), 2100 Second Street SW., Washington, DC 20593-0001, and is available from the sources indicated in paragraph (b) of this section. For information on the availability of this material at NARA, call 202-741-6030, or go to: http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

(b) The material approved for incorporation by reference in this subpart and the sections affected are as follows:

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)
100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.

ASTM F 1014-92, Standard Specification for Flashlights on Vessels—160.151-21

INTERNATIONAL MARITIME ORGANIZATION (IMO)

Publications Section, 4 Albert Embankment, London SE1 7SR, England

Resolution A.689(17)—Recommendation on Testing of Life-saving Appliances, 27 November 1991, including amendments through Resolution MSC.54(66), adopted 30 May 1996—160.151-21; 160.151-27; 160.151-31; 160.151-57

Resolution A.657(16)—Instructions for Action in Survival Craft, 19 November 1989—160.151-21

Resolution A.658(16)—Use and Fitting of Retro-reflective Materials on Life-saving Appliances, 20 November 1989—160.151-15; 160.151-57.

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